



California Hydrogen Highway Blueprint

Implementation Topic Team

Sub-team C/S.1 – Authorities Having Jurisdiction and Model Codes

Implementation Topic Team Public Hearing

August 31, 2004

CalEPA, Sacramento, CA



$$\left[\frac{p^2}{2\mu} + V(r) \right] \psi(r) = E \psi(r)$$

California Hydrogen Highways

www.hydrogenhighway.ca.gov



Sub-team C/S.1 – Authorities Having Jurisdiction (AHJ) and Model Codes

Model Building and Fire Code Adoption Process

- **National Level – models available to CA for adoption**
 - Standards Development Organizations
 - Code Development Organizations
- **State Level – mandatory = force of law**
 - Health and Safety Code
 - Building Standards Commission
 - Coordinating Council
 - State Fire Marshall
 - State Architect
 - Office of Statewide Health, Planning, and Development
 - Housing and Community Development



$$\left[\frac{p^2}{2\mu} + V(r) \right] \psi(r) = E \psi(r)$$

Sub-team C/S.1 – Authorities Having Jurisdiction (AHJ) and Model Codes

Model Building and Fire Code Adoption Process (cont).

- **Local Governmental Level – mandatory = force of law**
 - Building Department
 - Health Department
 - Planning Department
 - Fire Department
 - Local Legislative Authority (city council, county board of supervisors)



$$\left[\frac{p^2}{2\mu} + V(r) \right] \psi(r) = E \psi(r)$$

Sub-team C/S.1 – Authorities Having Jurisdiction (AHJ) and Model Codes

Issue: lack of consistency in Codes used by AHJs with overlapping responsibilities

Example: Model Building Code and Fire Code

- Current codes not designed for hydrogen highway applications:
 - Uniform Building Code 1997 Edition
 - Uniform Fire Code 2000 Edition
- Proposals to update California Codes are not consistent; both are being modified for hydrogen refueling applications
 - State Fire Marshall has recommended National Fire Protection Association (NFPA) 1 for adoption as California's model fire code.
 - State Architect has recommended the International Building Code (IBC) for adoption as California's model building code.



$$\left[\frac{p^2}{2\mu} + V(r) \right] \psi(r) = E \psi(r)$$

Sub-team C/S.1 – Authorities Having Jurisdiction (AHJ) and Model Codes

Potential recommendations for closing, eliminating or otherwise addressing gaps in model codes and permitting processes.

- In lieu of waiting for adoption, utilize applicable ICC and NFPA codes by reference
- Apply resources to directly participate on appropriate code development committees
- Encourage the SDO and CDO communities to accelerate development of codes
- Directly participate in adoption cycle by state regulatory agencies
- Create mechanism by which Title 8 is inclusive in permitting process by AHJs



$$\left[\frac{p^2}{2\mu} + V(r) \right] \psi(r) = E \psi(r)$$